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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/559,435	12/05/2005	Osamu Itatani	125433	2968
	25944 OLIFF & BERI	7590 07/06/2007 RIDGE PLC	1	EXAMINER	
	P.O. BOX 19928	28		PARKER, FREDERICK JOHN	
	ALEXANDRIA	A, VA 22320		ART UNIT	PAPER NUMBER
				1762	
				MAIL DATE	DELIVERY MODE
				07/06/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	·	Application No.	Applicant(s)
		10/559,435	ITATANI ET AL.
	Office Action Summary	Examiner	Art Unit
		Frederick J. Parker	1762
	The MAILING DATE of this communication app	pears on the cover sheet wit	h the correspondence address
Period fe	• •		
WHIC - Exte after - If NC - Fail, Any	CORTENED STATUTORY PERIOD FOR REPL' CHEVER IS LONGER, FROM THE MAILING Dates of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. Operiod for reply is specified above, the maximum statutory period varie to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing led patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNIC 36(a). In no event, however, may a re will apply and will expire SIX (6) MONT, cause the application to become ABA	ATION. ply be timely filed HS from the mailing date of this communication. NDONED (35 U.S.C. § 133).
Status			
1)⊠	Responsive to communication(s) filed on 23 A	oril 2007.	
2a)⊠	This action is FINAL . 2b) This	action is non-final.	
3)[Since this application is in condition for allowar	nce except for formal matte	rs, prosecution as to the merits is
	closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D.	11, 453 O.G. 213.
Disposit	ion of Claims		
4)⊠	Claim(s) 2-11 is/are pending in the application		
/—	4a) Of the above claim(s) is/are withdraw		
5)	Claim(s) is/are allowed.		
6)⊠	Claim(s) 2-11 is/are rejected.		
7)	Claim(s) is/are objected to.		
8)	Claim(s) are subject to restriction and/o	r election requirement.	
Applicat	ion Papers		
9)	The specification is objected to by the Examine	r.	
'—	The drawing(s) filed on is/are: a) acc		y the Examiner.
	Applicant may not request that any objection to the	drawing(s) be held in abeyand	e. See 37 CFR 1.85(a).
	Replacement drawing sheet(s) including the correct	ion is required if the drawing(s	i) is objected to. See 37 CFR 1.121(d).
11)[The oath or declaration is objected to by the Ex	caminer. Note the attached	Office Action or form PTO-152.
Priority (under 35 U.S.C. § 119		
	Acknowledgment is made of a claim for foreign All b) Some * c) None of:	priority under 35 U.S.C. §	119(a)-(d) or (f).
•	1. Certified copies of the priority document	s have been received.	
	2. Certified copies of the priority document	s have been received in Ap	plication No
	3. Copies of the certified copies of the prior	rity documents have been r	eceived in this National Stage
•	application from the International Bureau		
* (See the attached detailed Office action for a list	of the certified copies not r	eceived.
Attachmer	• •	parant.	
	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948)		ımmary (PTO-413) /Mail Date
3) 🛛 Infor	mation Disclosure Statement(s) (PTO/SB/08) Pr No(s)/Mail Date 10-26-06.		ormal Patent Application

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DETAILED ACTION

Response to Amendment

Claim Objections

The amendments in response to the Claim Objections of the Previous Office Action are acknowledged and appreciated, and the Examiner withdraws the objections.

Claim Rejections - 35 USC § 112

The amendments in response to the 35 USC 112 rejections of the Previous Office Action are acknowledged and appreciated, and the Examiner withdraws the rejections.

Claim Rejections - 35 USC § 102

The amendments in response to the 35 USC 102 rejections of the Previous Office Action are acknowledged and appreciated, and the Examiner withdraws the rejections. The new rejections below are necessitated by amendment.

Claim Rejections - 35 USC § 102

1. Claims 1-8,10,11 are rejected under 35 U.S.C. 102(b) as being anticipated by Sagawa et al US 5505990.

Sagawa teaches a method of substrate articles in a container which is vibrated and stirred to contact the articles with media materials to apply adhesive and coating powder. The container as illustrated in various embodiments in figures 8-13 and accompanying text contains one or more substrate articles in the container which also contains impact media (col. 3, 57 to col. 4 8; etc), adhesive powder (col. 3, 30-45; etc), and a coating powder which may include inorganic particles (col. 6, 17-19;col. 8, 62+; EX. 5, etc). The media strike or impinge/ collide on the article to push adhesive onto the articles, and further press powder particles into the adhesive layer to cause bonding (col. 3, 57-66). The thickness of the adhesive layer, which may be formed by agitation (i.e. starting with little or no adhesive per claim 3) or prior to vibration/ stirring, is

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determined by the thickness of the coating to be formed, powder and media used per claim.

Adhesives may be cured or uncured resins (necessarily requiring a curing agent to carry out the method per claim 7) which may further comprise a volatile liquid (col. 5, 20-21) per claims 5-6.

"Spacer particles" per se are not mentioned. However, inorganic powder coating particles which controls coating thickness are taught (col. 5, 61-67), and a review of Applicants specification reveals that spacer particles as described in [0026,39] would not differentiate over the inorganic particles of the reference, and therefore would functionally serve the same purpose given the claim as written. Hence the reference meets the spacer particle limitations of claims 8 and 11.

Claim Rejections - 35 USC § 103

- 2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 3. Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Sagawa et al US990 in view of Sagawa et al US 2001/0006733 (US733). Sagawa et al US990 is cited for the same reasons previously discussed, which are incorporated herein. An adhesive containing substantially no volatile material is cited.

Sagawa US990 teaches an analogous method of coating surfaces using impact media to apply adhesive and coating powder in a vibration/ collision method. In [0034] adhesives including one or two organic liquid mixing types (again, types requiring curing agents and both including epoxy, acrylic, polyester and other organic adhesives) and inorganic adhesives such as water glass (which would be free of volatile materials) are cited as equivalents. Since the concept of

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coating using collision forces by impact media during vibration/ stirring are the same and further an equivalence is established between the two references, it would have been obvious to one of ordinary skill in the art at the time the invention was made to carry out the method of Sagawa US990 by incorporating the inorganic adhesive which is substantially non-volatile of Sagawa US733 because it was established to be effective and equivalent to commonly used organic adhesives in similar impact coating methods.

Response to Arguments

Applicants arguments of the previous rejections are moot in view of the amended claims. The Examiner has withdrawn previous rejections and replaced them with the new rejections above which were necessitated by amendment.

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

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however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Frederick J. Parker whose telephone number is 571/272-1426. The examiner can normally be reached on Mon-Thur. 6:15am -3:45pm, and alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Meeks can be reached on 571/272-1423. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Frederick J. Parker Primary Examiner Art Unit 1762